7" HEADREST MONITOR
AVM175V

OPERATING INTSTRUCTIONS
PLEASE RETAIN MANUAL FOR FUTRE USE AND REFERENCE

The Audiobahn Way

To bring the product to market that excites the consumer through sound and vision from an orientation of integrity and customer service. We make you look as good as you sound. We strive to take car audio to an extreme the world has never seen, and a world that never stops evolving.

Audiobahn was established in 1997 with one long-term goal in mind, "**Build it Bigger, Badder, & Better, and the people will take notice!"** We back this statement with an engineering team that has brought home several Innovations, Design & Engineering Showcase Awards, and a marketing team from around the world that spends countless hours developing our no compromise products to satisfy the most discriminating enthusiasts.

Our global manufacturing facilities feature ISO9002 ratings (the highest level of quality control awarded in the electronics manufacturing industry), fully robotic assembly lines and a state of the art, California based R & D laboratory.

Due to overwhelming response from our competitors, and our goal to participate in even more events this year, we created *"TEAM AUDIOBAHN." This organization is designed to create a support network along with shirts and perks for team members. "TEAM AUDIOBAHN" is not only for the diehard competitor, but also for anyone that loves car audio as much as we do. With four levels of play, one is right for you to get started in the Audiobahn family.

Our Technical Department and entire staff look to strive above and beyond the rest of the pack by going that extra mile to help you out. Whether you happen to be a veteran competitor, or a beginner car audio enthusiast who does not know a voice coil from a spider. We are all her to help you get the best system you can with what you have.

Judge for yourself, and remember what it's all about, **"If it's not Bigger, Badder & Better, it's not Audiobahn."** If audio is your life, Audiobahn is the brand for you! We make you look as good as you sound. People never stop trying to get the best product, so we will never stop making it.

*To learn more about "TEAM AUDIOBAHN" please give us a call, see our website at website at www.audiobahn.com, or email us at team@audiobahn.com to learn about all the details.

Table of Contents

INTRODUCTION 3

MONITOR INTRODUCTION 4

SAFETY 5-7

BEFORE USING THE MONITOR 8

FEATURES 9

SPECIFICATIONS 10

SAFETY PRECAUTION 11

INCLUDED COMPONENTS 12

CONTROLS AND FUNCTIONS 13-14

CHANGING BATTERIES 15

WIRING DIAGRAM 16

WARNING / DISCLAIMER 17

WARRANTY 18-19

Introduction

Dear Customer,

Congratulations on your purchase of the worlds finest brand of car audio products. Here at Audiobahn Inc. we are devoted to making our musical reproduction the vert best, and we are pleased you have chosen our product. Through years of engineering expertise, hand craftsmanship, and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your Audiobahn product installed by an Authorized Audiobahn Dealer, as we provide specialized training through our Audiobahn Installer Training Programs. Please read your warranty, keep your receipt, and original carton for possible future use.

To get a free brochure on Audiobahn products in the US call (714) 988-0400 or e-mail us at sales@audiobahn.com.

WARNING

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense.

If after reading this manual you still have questions regarding your product, we recommend that you see your nearest Audiobahn Dealer. A list of Authorized Audiobahn Dealers can be found on our web page. If you need further assistance, feel free to call us at (800) 488-8595 and ask for the Technical Department. Be sure to have the model number, date of purchase, and invoice number available when you call.

The model number can be located on the outside of the carton. Record this in the space provided below along with the date of purchase. It is a good idea to keep your receipt with this as you will need it in the case of needing a warranty, repair service or exchange.

Model Number:_____ Date of Purchase: _____

Thank you for choosing this product.
Please read this instruction manual carefully before operating this product.

RECORD YOUR MODEL NUMBER (Now, while you can see it)
The model and serial number of your MONITOR are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here :

MODEL number : .....

SERIAL number : .....

Please read the “Safety Rules” carefully before using this product. Following of the safety rules prevents users from any damage related with the misuse of this product. It is very important that users follow these safety rules. We state “Caution” and “Warning” to clarify any potential for damage associated with misuse of the product.

Warning ⚠	May cause bodily harm or even death if users ignore warnings in the safety rules.
Caution ⚠	May cause bodily harm or even death if users ignore cautions in the safety rules.

About signs

⚠ “Precautions”

⃠ “Do not”

❗ “Follow directions carefully”

⚠ Warning

⃠ Place the product where it doesn’t prevent the driver from driving.
--- The driver’s view of sight should not be blocked.

⃠ Do not watch or operate the product while driving.
--- This may cause a major accident.

⃠ Do not place the product near the passenger-side airbag.
--- Airbags may not operate properly or may cause personal damage and accident when accidentally opening.

⃠ Do not get product wet and operate with wet hands.
--- This may cause electric shock.

⃠ Do not use in bathtub. Do not pull the plug with wet hands.
---This may cause electric shock.

⃠ Do not use unapproved power voltage.
---This may cause fire or electric shock.

⃠ Do not use unapproved Cigarette Lighter Adapter.
--- This may cause fire ,electric shock and/or malfunction.

⃠ Do not damage or bend electric cord. Do not place heavy objects on electric cord.
---This may cause fire from electric sparks.

⃠ Do not use damaged electric cord.
--- This may cause fire and/or electric shock.

⃠ Do not put pins or needles into the product or electric cord of product.
--- If this happens, stop the product operation immediately. Continuous use may cause fire, electric shock and/or malfunction.

- Do not place any containers with water or any small metal objects on top of the product or nearby it.
  --- Unplug the product when water or metal comes in contact with the product. Continuous use may cause fire, electric shock and/or malfunction.
- Stop using the product immediately when you drop it or damage the outside shell.
  --- Continuous use may cause fire, electric shock and/or malfunction.
- Be careful when thunder and lighting occurs.
  --- There is a danger of electric shock.
- Do not use non-specified double socket and extended car battery cord.
  --- This may cause excess heat and/or fire.
- Do not attempt to open, disassemble or repair the product by any person except an authorized service dealer.
  --- This may cause electric shock and/or malfunction. You should request an authorized service dealer for any inspection and repair of the product.

⚠ Caution

- Do not put the product in a place where sudden temperature increase occurs such as the vehicle's dashboard.
- Do not place the product where high temperature and/or the direct ray of the sun occurs.
  --- This may cause fire, electric shock and/or malfunction.
- Do not put the product in an unstable place where the product may be exposed to shock and/or impact.
  --- The product may fall and be damaged.
- Do not place electric cord near a heating product.
  --- The cord surface may melt and cause fire and/or electric shock.
- Do not press or drop LCD panel.
  --- You should not give any shock on LCD panel because it may cause damage.
- Always clean the cigarette lighter socket before using product.
  --- Bad connection may cause fire.
- Clean electric socket area often.
  --- Dust in the area may cause fire.
- Keep electric cord properly positioned.
  --- An improperly positioned electric cord may cause fire or electric shock when metal material is in contact with the power source.

- Unplug the product and remove cords when moving.
  --- It may damage cords and cause fire and/or electric shock.
- The car engine should be running when you use the product in a car.
  ---Without the engine running, you may have excessive discharge of the car battery.
- Do not pull the cord line when you unplug it.
  ---Damaged cords may cause fire and/or electric shock.
- Hold the plug when you unplug the product. Put a battery in the remote control properly with +, – signs as directed in this manual.
  --- Improper use of batteries may cause fire and/or damage.
- Unplug the product when you don't use it for a long period of time.
  ---Insulation may cause electric shock, electric leak and/or fire.
- Unplug the product when you clean or care for it.
  ---Not unplugging product may cause electric shock.
- Do not watch Monitor for a long period of time.
  ---This may damage your eyesight.
- When you transport the product, remove all cords and do not give any shock.
  ---This may cause a malfunction.
- Do not place volatile materials such as insecticides on the product. The product should not come in contact with rubber or vinyl for a long period of time.
  ---The surface of the product may change and paint may peel off.

If you find any strange occurrences or malfunction in the product or any foreign substance gets into the product, please contact the authorized retailer where you purchased the product.

- Do not use the product in the following locations.
  ---This may cause malfunction.
  - In direct rays of the sun and near heating products
  - High in humidity and with bad ventilation
  - Dusty or oily locations
  - Low temperatures
  - Unstable environment

- To safely use the product, please read the user's manual carefully before use.
- Connect all lines as directed in the product connection map in the manual.
- Do not touch the LCD panel.
- Use the product at the temperature range of −15°C ~ 60°C .
- Screen may be a little dark when the product is operated in low temperature areas. Screen will show normal luminosity after a few minutes.
- Do not disassemble and modify the product in any way. This may cause fire and/or electric shock.
- When you install the product in a car, do not set a volume level too loud for others to hear outside.
- When you install the product in a car and watch TV, the car engine should be running as there might occur excessive discharge of the car battery.
- Any liquid leaking into product may cause malfunction.

■ Precautions (when you use the product in a car)

- The driver should not use the product while he/she is driving.
- Quality of pictures on screen may vary depending on the radio field strength in different locations. You should use video equipment where you experience weak radio field strength.
- Follow traffic laws when you use the Navigation Route System.
- Be cautious of humidity and shock when you use the product in a car.
- The product should not be placed on the dashboard or near engine
- Cover the product when exposed to direct rays of the sun for a long period of time. (You should keep the product at a temperature range of −30°C ~ 85°C.)

Features

- Full Function on-screen display (OSD)
- Three A/V inputs (Composite AV1/AV2/AV3)

  AV1: Audio and Video (For use with most audio video equipment)

  V2: Video only (For use with a backup camera or other device with video output only to the monitor)

  V3: Video Only (For use with devices with video output only to the monitor such as a gaming system where the audio goes through the main car audio system)
- High Resolution: 1440(V) x 234(H)
- NTSC/PAL switchable (Auto-selection)
- Full Function Remote Control
- Built-in IR transmitter (For IR headphones)
- Pedestal Mount Hardware

SPECIFICATIONS

POWER SUPPLY	DC 12Volt±10%
SCREEN FORMAT	16:9 Ratio
SCREEN SIZE	7 inch
RESOLUTION	1440 (V)X234(H)
CURRENT CONSUMPTION	≤ 9W
VIDEO FORM	NTSC / PAL
DIMENSION(mm)	200mm x 140mm x 25mm
WEIGHT	0.5kg
BRIGHTNESS	400cd

TROUBLESHOOTING GUIDE

Remote control unit doesn't work

- Batteries are missing, dead or incorrect polarity
  Replace batteries
- Remote control distance is too far
  The distance must be less than 5m
- Improper direction of remote control
  Point the remote control unit to the sensor

No picture and sound

- A/V source connection is wrong
  Check the A/V source power

IR sensor inoperative

- Verify that batteries in the remote are fresh
- Verify that remote eye is not obstructed
- Verify that the infrared transmitter is affixed over the sensor eye of the component to be controlled

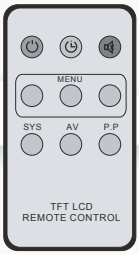
Improper handling from ignoring the following may result in serious injury or death.

- Do not watch TV programs or operate the monitor while driving. This may cause a car accident because of the distraction.
- Keep liquids away from the monitor. (This can lead to electrical shock)
- Do not install the monitor where it may be viewable to the driver or obstruct an air bag device.
- In case of smoke or a strange odor emitting from the monitor, power off the equipment and contact your local dealer.
- Do not attempt to service the product on your own. Disconnect power to the unit and take it to your local dealer.
- Dropping the unit can cause internal mechanical failure.
- Dispose of remote control batteries in a proper place. Placing batteries in fires or incorrect recharging will cause batteries to explode.

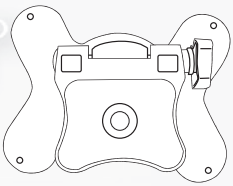
- Adjust the volume to a moderate listening level. (While driving, keep the volume at a level at which you can still hear noises outside the vehicle such as emergency response vehicles)
- Do not watch TV / Video while the vehicle's engine is off. (This may drain the battery and you might not be able to start your vehicle)
- The monitor should be mounted in a position so that it is situated out of direct sunlight, heat, water, or moisture. (This product is made with precise electronic components that should be handled with care. Do not let it fail due to improper use or carelessness)
- Hitting or striking the unit is prohibited under warranty. (It may cause damage to the unit and / or personal injury. If LCD glass is broken, do no touch the liquid or the screen. If hands or clothes come in contact with the liquid, clean it up with soap and water)
- Do not open the monitor body. (It may cause electrical shock or damage to the unit)
- In case of changing a fuse, make sure to replace it with the same amperage fuse it came with. (Replacing the fuse with a higher amperage fuse may cause the unit to malfunction. Unplug the power cord while changing the fuse to prevent a short circuit)
- Use the supplied screws to mount the monitor stand. (Make sure the monitor stand is firmly mounted to a secure location)

Your monitor package should include the following:

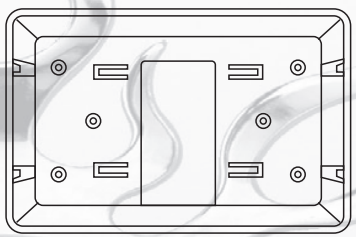
TFT LCD 7” Monitor



Remote



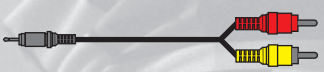
Monitor Stand



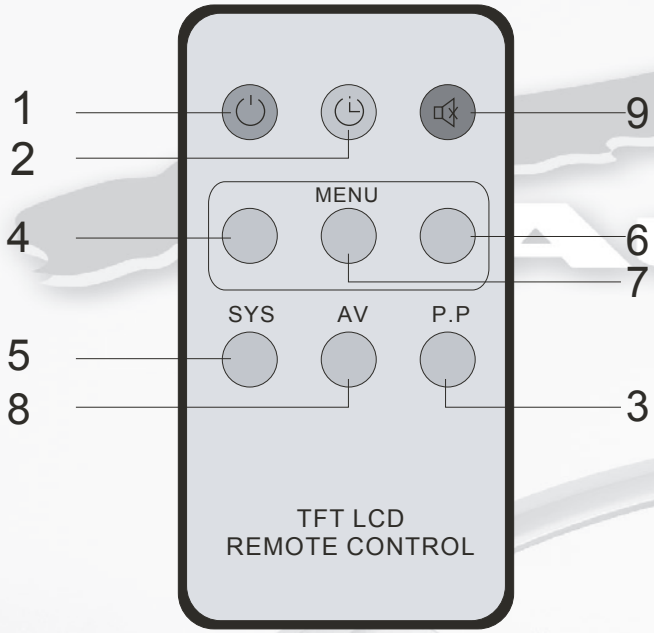
Headrest Shroud

AV Cable

Owner’s Manual



AV3 Cable



1.Power ON/OFF
2.Timer Switch
3.Preset Preference switch (P.P)
4.Reduce Button
5.Picture invert (U/D,L/R) Flips The Image
6.Increase Button
7.Menu Button
8.V1/V2 Switch
9.Mute On/Off

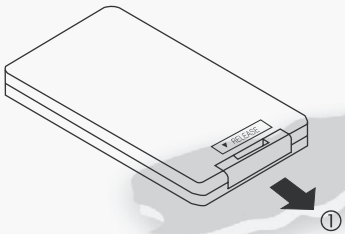
1. IR Headphone Transmitter
2. Reduce Button
3. Menu
4. Increase Button
5. Power on/off
6. Remote Control receiver
7. AV in
8. Headphone out

MENU

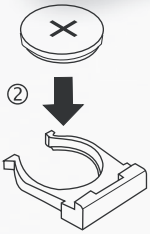
BRIGHTNESS	UP AND DOWN
CONTRAST	MIRROR
COLOR	16:9 & 4:3
TINT	RESET

Brightness:	Adjusts the brightness setting of the monitor
Contrast:	Adjusts the contrast setting of the monitor
Color:	Adjusts the color setting of the monitor
Tint:	Adjusts the tint setting of the monitor
Up and Down:	Flips the image shown on the screen up and down
Mirror:	Reverses the image shown on the screen left to right
16:9 & 4:3:	Adjusts the aspect ratio between 16:9 (widescreen) and 4:3 (Letterbox)
Reset:	Resets all seettings to factory defaults

Changing Batteries



① Pull battery case in the direction of the arrow.



② Place a battery with the ⊕ sign upward on the battery case.

③ Put the battery case back into the remote control in the direction of the arrow.

Headphone Jack

A/V 3 Input
RED Mono Audio Input
YELLOW Video 3 Input

Video/Audio out for bypassing the signal to anohter monitor.

Yellow Video output
Red Audio output

+12V Power (RED)
Ground (BLACK)

Right Audio 1 Input (Red)

Video Input 1 (Yellow)

Video Input 2 (Yellow) Video Only

Left Audio 1 Input (White)

Technical Support (800) 488-8595 / tech@audiobahn.com

WARNING

Investigate the layout of your automobile thoroughly before drilling or cutting any holes. Take care when you work near gas tanks, gas lines, hydraulic lines, and electrical wiring. Do not use the power amplifier unmounted. Attach the system securely to the automobile to prevent damage, particularly in the event of an accident. Do not mount the system so that the wire connections are unprotected or are subject to pinching or damage from nearby objects.

The +12V DC power wire must be fused at the battery positive terminal connection. Before making or breaking power connections at the system power terminals, disconnect the +12V wire at the battery end. Confirm your radio/head unit and/or other equiptment is turned off while connecting the input jacks and speaker terminals. If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of a different type or rating may result in damage to this system which is not covered by the warranty.

Disclaimer

Specifications are subject to change without notice.
For the most updated Specifications call Audiobahn,
your local Authorized Audiobahn Dealer,
or check the Audiobahn web site.
www.audiobahn.com

Audiobahn Consumer Product Warranty Policy

Audiobahn products are manufactured with the highest quality components and some of the most advanced technology available. Because of this, we recommend that you have your new products installed by an **Authorized Audiobahn Dealer**. **(A list of Authorized Audiobahn Dealers can be found on our web page).**

Warranty Period: One year from the original date of purchase.

Warranty Coverage: This warranty covers manufacturer defects only. The warranty is applicable to the original purchaser, and is non-transferable. You must provide a receipt from an **Authorized Audiobahn Dealer** that shows the location of purchase, price paid, and date of purchase.

(Products purchased by consumers from an **Authorized Audiobahn Dealer** outside the United States are covered only by the Distributor of that specific country and are not covered by **Audiobahn**).

Notes:
Complete subwoofer enclosures (**Audiobahn** will replace defective subwoofers, plexiglass, or neon only. Do not send the entire enclosure, unless the enclosure is defective itself. You must receive prior authorization and an RA# before sending in any complete enclosure).

AUDIOBAHN DOES NOT WARRANTY ANY PRODUCTS NOT PURCHASED THROUGH AN AUTHORIZED DEALER.
(A list of Authorized Audiobahn Dealers can be found on our web page).

AUDIOBAHN WARRANTIES DO NOT COVER THE FOLLOWING:

- Any product not purchased from an **Authorized Audiobahn Dealer** (including Internet dealers)
- Damage caused by abuse, misuse, accident, water / flood, or theft (including any cosmetic damage to the body of the product)
- Damage caused by improper installation
- Any cost or expense related to removal or reinstallation
- Any unauthorized services
- Any product that has the serial number removed, altered, or defaced
- Subsequent damage to any other components
- Pinched, cut, or stripped wires / terminals
- Any product that is new, and/or found to be in working condition
- L.E.D. indicators on electronics (**Audiobahn** will only replace L.E.D.(s) found to be defective at the time of purchase)

How to receive warranty service: Contact your local **Authorized Audiobahn Dealer**, or call **Audiobahn** at **(800) 488-8595** between the hours of 9:00 AM and 5:00 PM PST.

If you are having problems with your system, we recommend you check the product carefully and thoroughly to confirm that the product truly has a manufacturer defect; as opposed to abuse, or other components in the system causing the failure. This might include having an **Authorized Audiobahn Dealer** look at the product to confirm the source of the problem. Any product found to have a manufacturer defect will be replaced with a new piece of the same or similar model, or repaired at the discretion of **Audiobahn**. Any product found to have no manufacturer defect will be returned to the sender at their cost.

You must acquire a Return Authorization Number (#) prior to returning ANY product to Audiobahn. That Return Authorization Number (RA#) must be prominently and clearly marked on the outside of the shipping carton, or product delivery will be refused (no exceptions will be made).

Please note: All shipping and handling (to and from) charges will be the sole responsibility of the consumer.

Please record and keep your Return Authorization Number (RA#) in the event that further communication is required.

Return Authorization Number (RA#): _____

Date product was sent: _____

Contact Information

Audiobahn Headquarters
114 South Berry St.
Brea, CA 92821
Phone (800)488-8595 Fax. (714)988-0433
Pacific Coast Time : 9am-5pm Mon. - Fri.
tech@audiobahn.com